

Table 13-2
Carbon Footprint Analysis for Import of Fill Material for Alternatives 3, 4, and 5

Alternative	Site	Abbreviated Description	Estimated Volume of Imported Cover Mat'ls (CY)	Estimated Number of Truck Loads (20 CY each)	Estimated Truck Miles (12 mile avg cycle)	Estimated Fuel Consumption (gallons)	Estimated CO ₂ Emissions (lbs)
3 and 4	G	RCRA Subtitle C Cover	19,000				
	G West	Asphalt Cover	800				
	H	RCRA Subtitle C Cover	40,500				
	I South	RCRA Subtitle C Cover	73,100				
	L	RCRA Subtitle C Cover	7,200				
		Totals for Alternatives 3 and 4:	140,600	7,030	84,360	10,545	234,099
5	G	35 IAC 807 Cover (soil)	17,200				
	G West	Asphalt Cover	800				
	H	35 IAC 807 Cover (soil)	32,800				
	I South	35 IAC 807 Cover (crushed stone)	35,100				
	L	35 IAC 807 Cover (soil)	7,200				
		Totals for Alternative 5:	93,100	4,655	55,860	6,983	155,012

Notes:

- 1) Imported materials for certain alternatives include various geosynthetics and other construction materials which have not been considered in this analysis.
- 2) Carbon emissions associated with on-site equipment (placement, spreading, compaction) have not been considered.
- 3) Fuel consumption based on estimated 8 miles per gallon.
- 4) Carbon dioxide emissions based on 22.2 pounds per gallon of diesel.